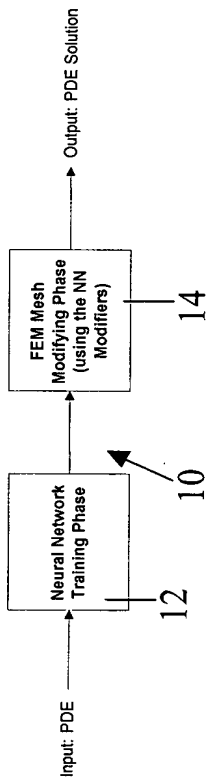
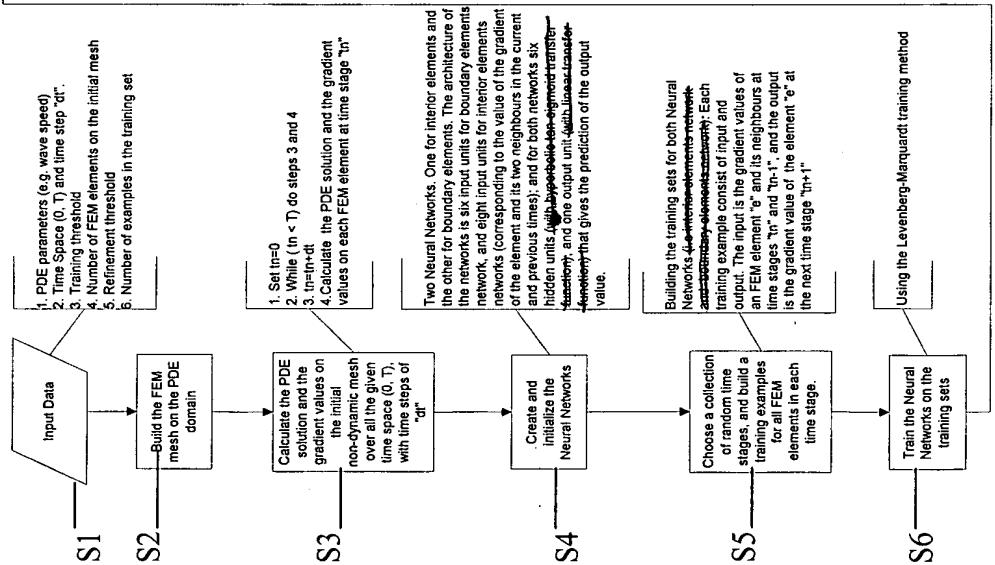


Neural Network Time Series Forecasting of Finite-Element Mesh Adaptation

Fig. 1



Neural Network Training Phase



FEM Mesh Adaptation Phase

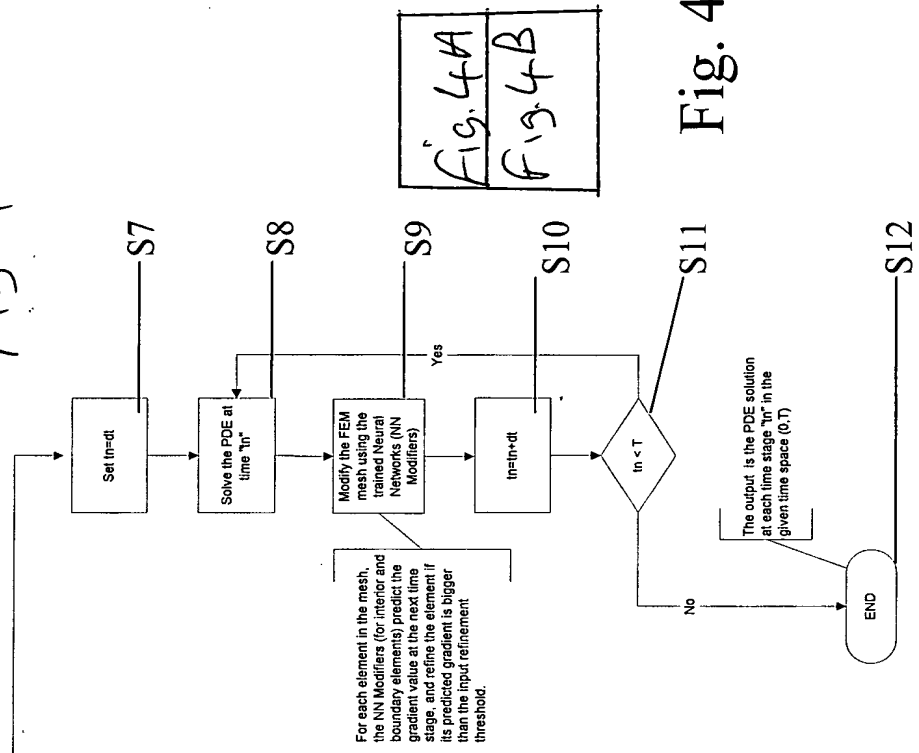


Fig. 4B

Fig. 4A
Fig. 4B

Fig. 4

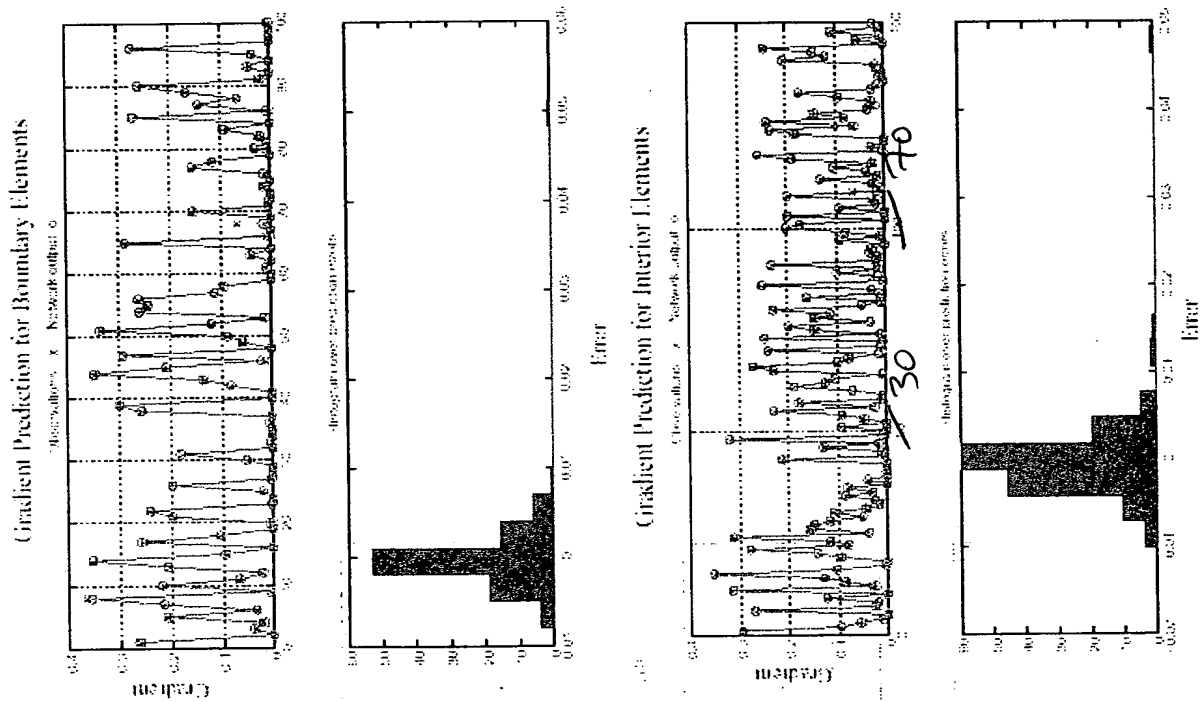


Fig. 8A

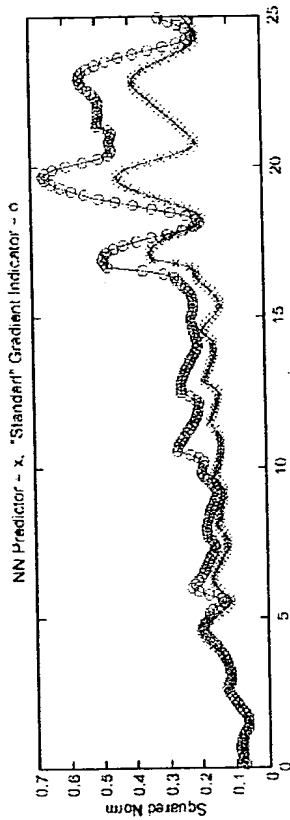
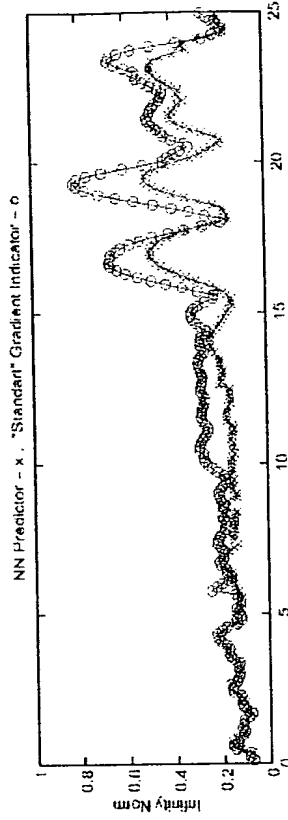
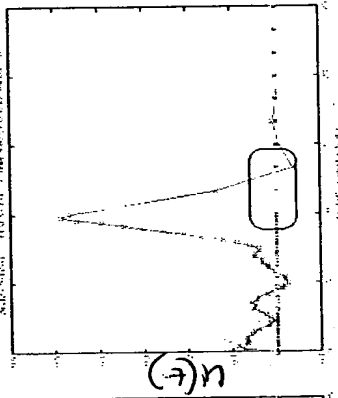


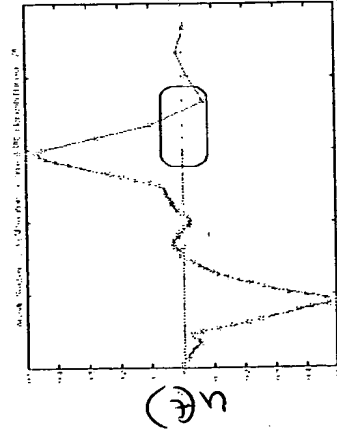
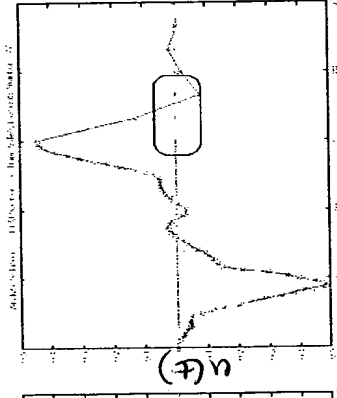
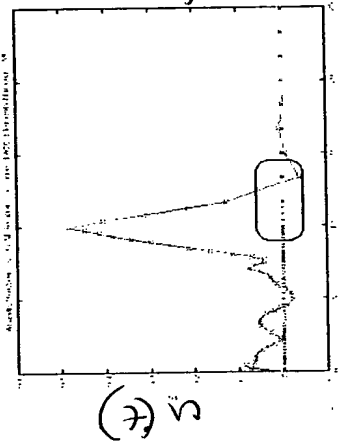
Fig. 8B



"Standard" Gradient Indicator



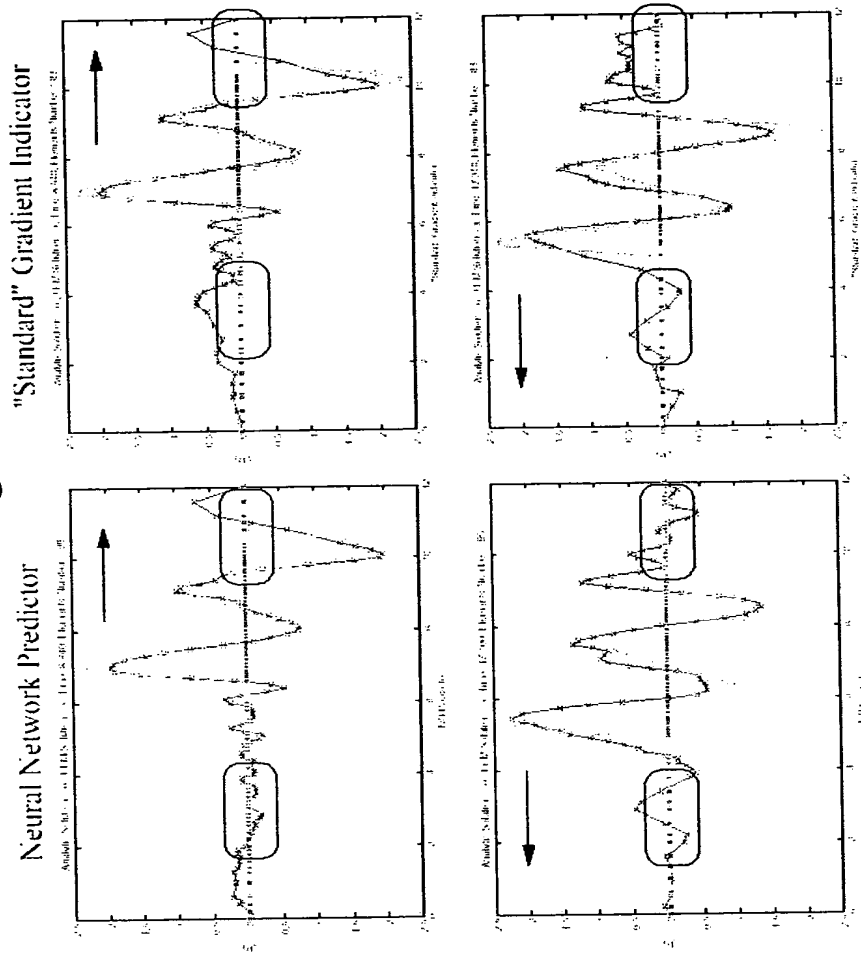
Neural Network Predictor



Legend:
 Analytic Solution = ---o---
 FEM Solution = ---x---

Fig. 7

Fig. 11



Legend:
 Analytical Solution = -o--
 FEM Solution = -x--

Fig. 12A

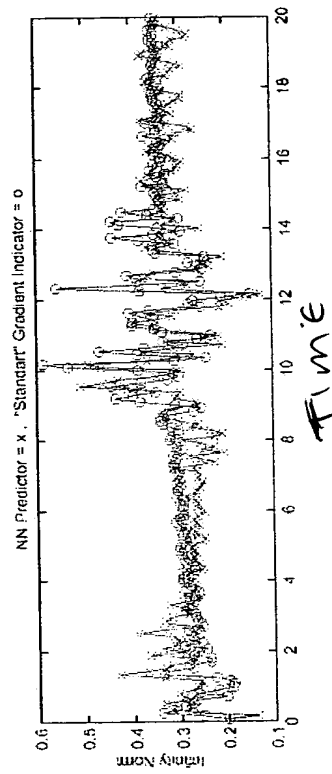
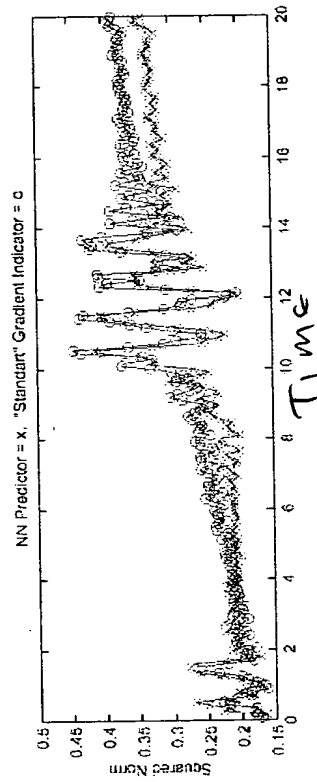


Fig. 12B

Fig. 13A

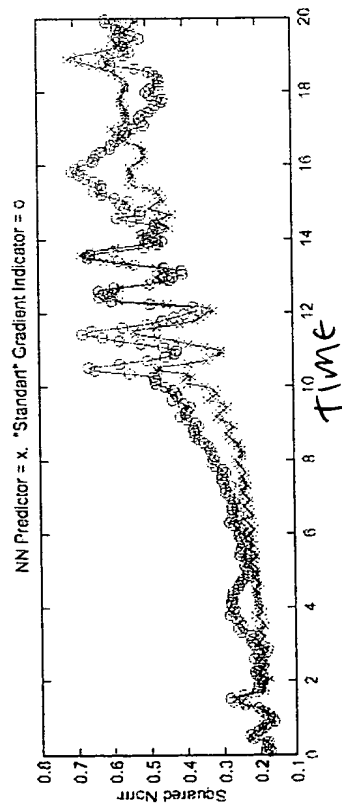


Fig. 13B

